

**IN THE SPECIFICATION**

Please amend the specification as follows:

Page 3, lines 15-17; please re-write to read as follows:

~~According to claim 5, it~~It is advantageous to use a photosensitive sensor first for determining the luminance curves. After the luminance curves have been laid down, this sensor is utilized as an ambient light sensor through a change in its orientation.

Page 3, lines 29-34 to Page 4, lines 1-2; please re-write to read as follows:

In a further embodiment of the invention ~~as defined in claim 6,~~ it is found to be advantageous in a triple-gun monitor, which is driven by three electron rays, to assign three correction sets of gray tones to the set of original gray tones of the image signal in the correction unit for generating three output image signals. One gray tone value from each of the three correction sets is then assigned to each gray tone value from the original gray tones. These three output image signals, after a digital/analog conversion, are each supplied to a respective electron ray of the triple-gun monitor and are imaged in a common point on the monitor with a corrected gray tone value for each original gray tone value to be pictured.

Page 4, lines 7-16; please re-write as follows:

~~According to claim 10, it~~It is advantageous that the n-bit wide image signal is supplied to s correction sets  $K_s$  in the correction unit, which sets have a bit depth smaller than n. The assignment of s correction sets with corresponding gray tone values renders it possible to provide the correction sets with fewer gray tone values than the original number of gray tones, thanks to the

subsequent mixing of the electron rays. When the three output image signals  $A_s$  are mixed, a theoretical number of gray tone values is possible corresponding to the permutation of the three gray tones of the correction sets, so that the quantity of the correction gray tones can be smaller than the quantity of the original gray tones. The digital/analog conversion may accordingly be designed to have a processing width smaller than  $n$  as well.